Data Sheet: LDS 1092

Date: 18-11-2010

Mechanical Gear Tooth Caliper: 51-400-126

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WINEAR CONTRACTOR	Gear Tooth Caliper for measuring the chordal thickness of gear teeth at the pitch diameter line Suitable for gear modules from $1 - 26$ Tungsten Carbide measuring tips Resolution: 0.02mm
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Packed Weight and Dimensions

Code	Description	Weight g	W mm	H mm	L mm
51-400-126	Mechanical Gear Tooth Caliper 150mm / 6"	407	148	25	210



Code	Range	Resolution	Repeatability		Accuracy
51-400-126	M1 - 30	0.01mm / 0.0005"	0.01mm / 0.0005"		±0.03mm (≤ 100mm)
				1.	

Code	Gear Measurement Range	Caliper Range Width	Caliper Range Depth
49-400-126	M1 - 30	45mm	28mm

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Mechanical Tooth Caliper

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h	 S = Chordal Thickness h = Depth of Pitch Diameter Following initial checking of callipers origins (see below) Set vertical slide to Depth of Pitch Diameter (h) and lock in place with the clamping screw Place calliper down over the gear tooth and sit the Depth Setting Blade on top of the gear tooth Close and adjust the horizontal calliper across the cord of the gear tooth, lock the calliper in place and remove to read the measurement on the vernier scale

OPERATING INSTRUCTIONS

When using the Caliper for the first time or after a period of non-use, wipe the beam scale with a dry clean cloth to remove any condensation or oil deposits.

Prior to setting the caliper for measuring, first clean the measuring faces with a soft clean cloth or paper.

Open the horizontal calliper anvils approximately 18 -20mm

Place the measuring tips onto a flat surface

Push vertical Depth Setting Blade down onto the flat surface

Push horizontal calliper anvils together and set to zero in this position

The calliper is now ready to set the vertical slide to the depth of the Pitch Diameter and then measure the chord thickness using the horizontal calliper (as above)

Useful Information



